

## ABSTRACT

A robot arm automatic vehicle washing apparatus automatically cleans a vehicle using a vehicle cleaning rotating brush attached to an end of a robot arm. A vehicle's left side cleaning rotating brush 111 provided to a vehicle's left side cleaning robot arm 110 mainly cleans the left side of the vehicle. A vehicle's right side cleaning rotating brush 121 provided to a vehicle's right side cleaning robot arm 120 mainly cleans the right side of the vehicle. Vehicle image data is created by taking pictures with a camera 150 for taking pictures of the front side of the vehicle, a camera 153 for taking pictures of the left side of the vehicle, a camera 159 for taking pictures of the right side of the vehicle, a camera 155 for taking pictures of the rear side of the vehicle, and a camera 157 for taking pictures of the upper side of the vehicle. The vehicle image data is analyzed by a main control device of the vehicle automatic car washing apparatus to create vehicle actual size data as input data. While the main control device of the vehicle automatic car washing apparatus 102 automatically controls the vehicle cleaning rotating brush provided to the end of the robot arm, the vehicle is cleaned.